

INTERLEAVER HAVING GIRES-TOURNOIS RESONATOR

ABSTRACT

An interleaver has a beam separator/recombiner configured to separate at least one component beam into first and second approximately equal amplitude components thereof. Each component beam has a defined polarization direction. The beam separator/recombiner is also configured so as to subsequently recombine the separated first and second subcomponents back into components. A first reflector or GT resonator is configured so as to direct the first subcomponent from the beam separator/recombiner back into the beam separator/recombiner. A second reflector or GT resonator is configured so as to direct the second subcomponent from the beam separator/recombiner back into the beam separator/recombiner.